



# CHAT-PUB

Helper of welfare policy for youth

김강산  
양승빈  
박진호  
전창민

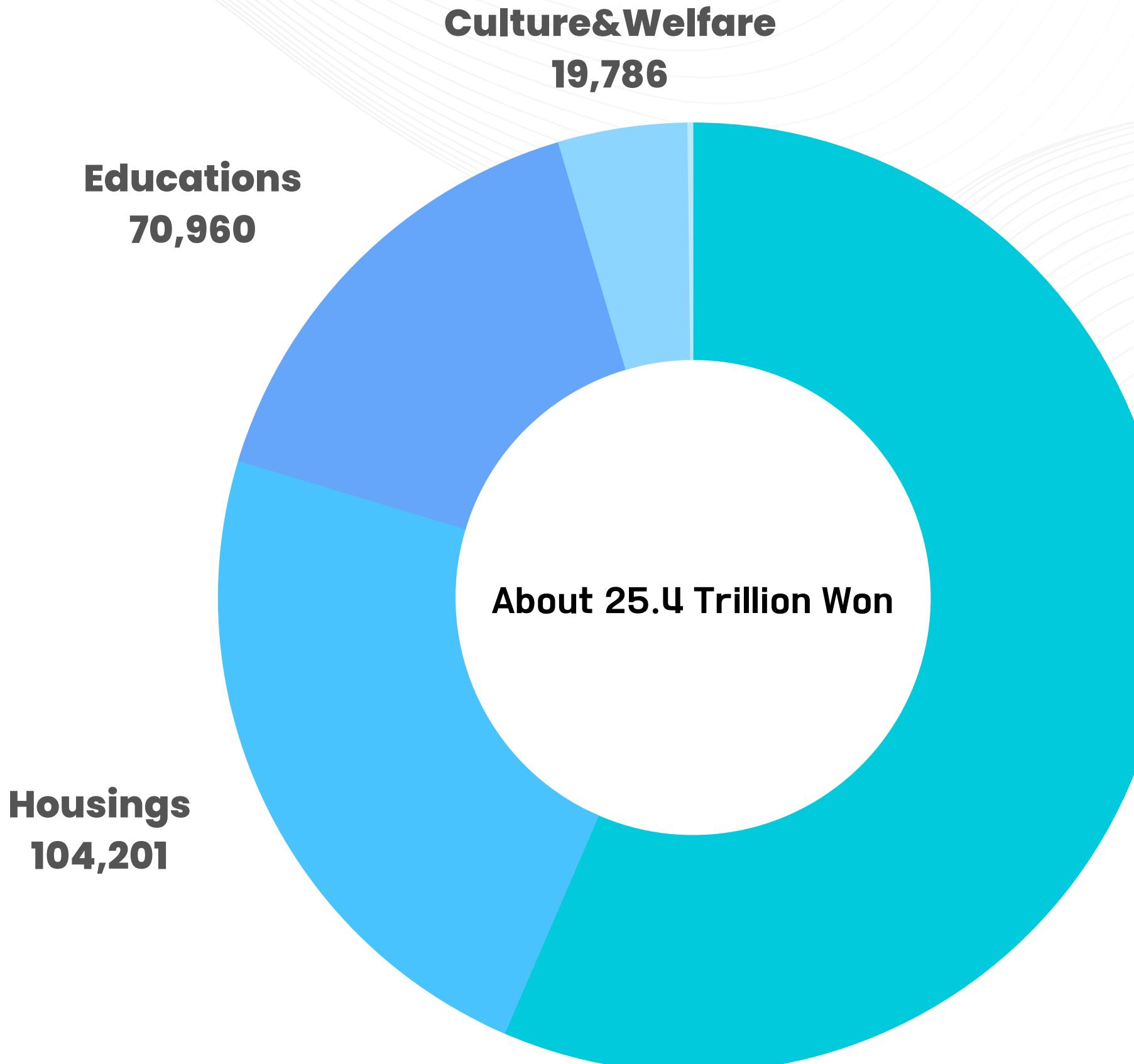


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# THE PROBLEM



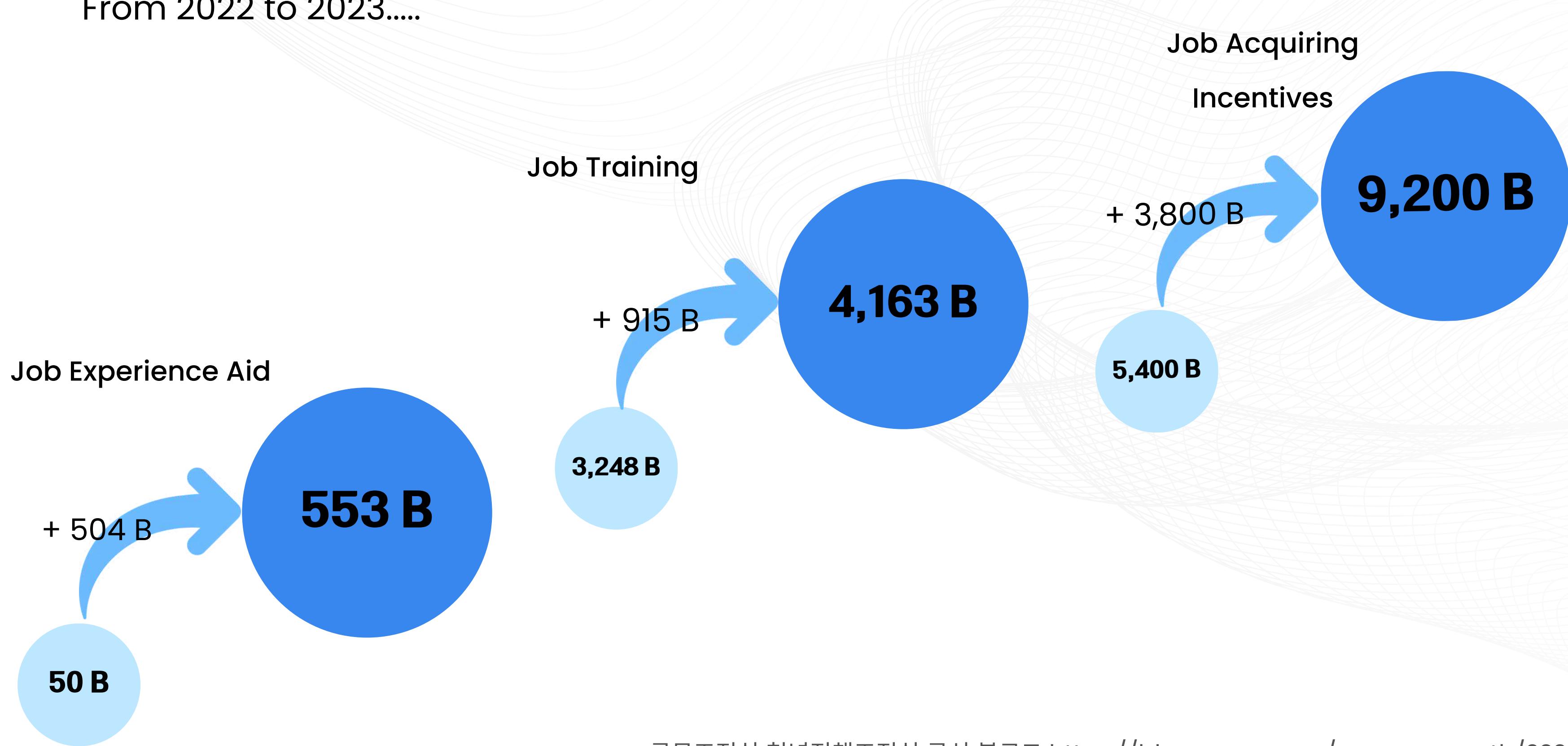
**Invested in 390 projects!!**

→ Employment, Housings, Educations, Welfare&Culture  
Participation in Politics & rights

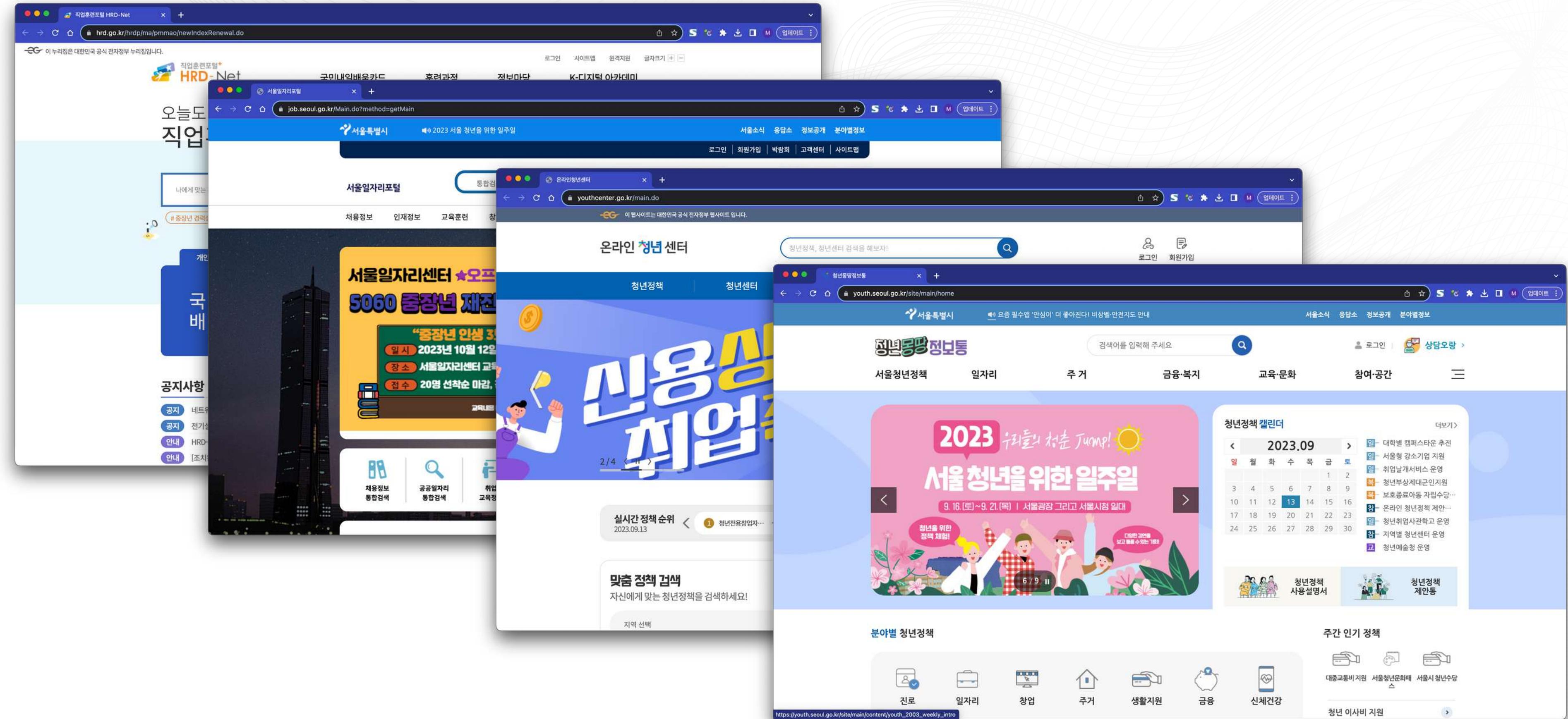
**Employment**  
**254,178**

# THE PROBLEM

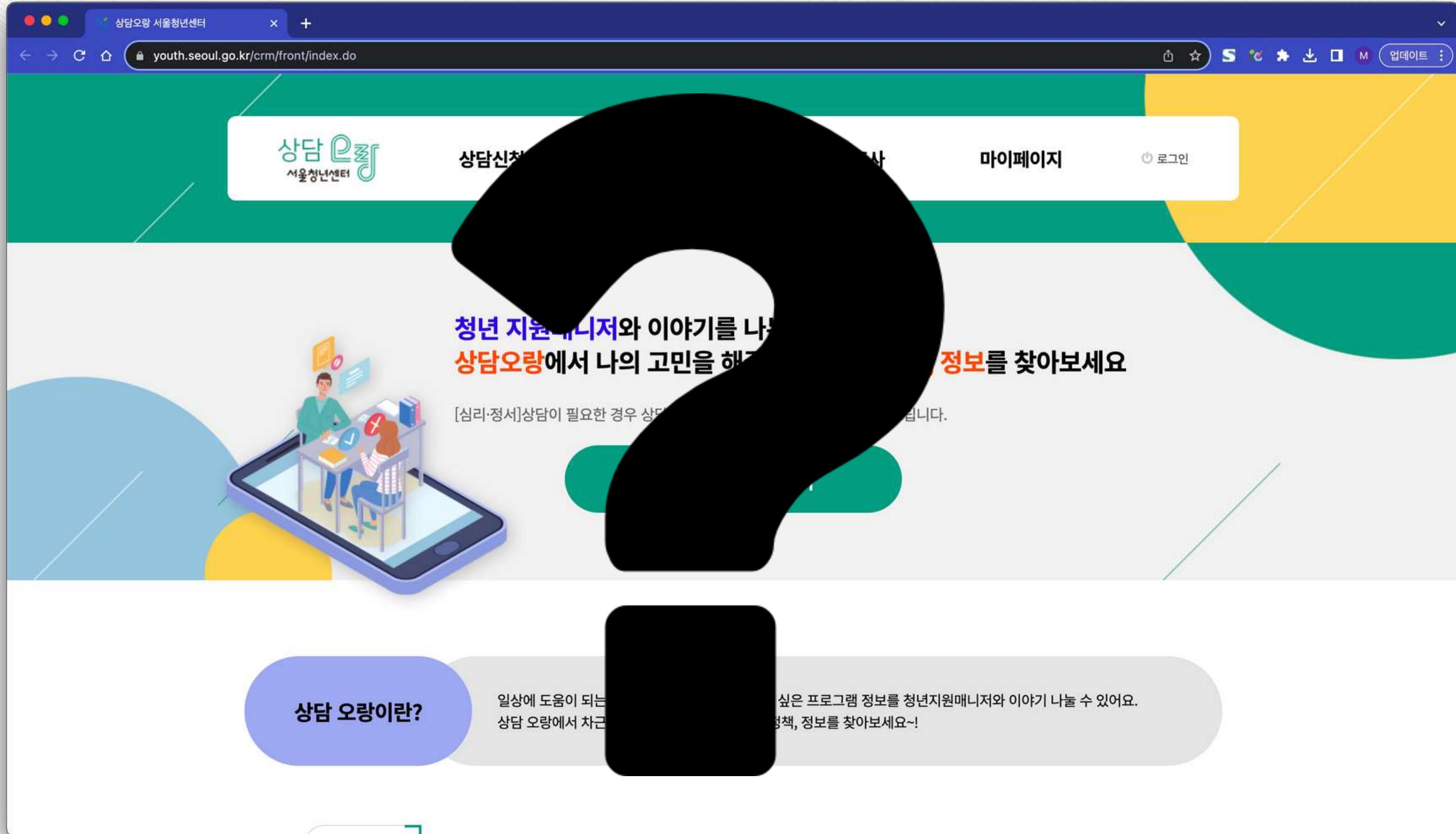
From 2022 to 2023.....



# THE PROBLEM



# NEEDS



# NEEDS



**Recomending Government funding aids that can benefit each individuals  
based on their personal information**



**A need for a service that can organize youth based polices at a glance and deliver  
necessary information to people**

# SOLUTION



## CHAT-PUB

Chat Bot for public usage



# VISIONS



## Primary Goal

- A policy recommendation service that allows information on youth policies
- Create a highly accurate generative Chatbot using the NLP model
- Targeting young people living in Seoul and Gyeonggi Province



## Secondary Goal

- A rating system community
- Develop dedicated website
- Expanding service coverage to the metropolitan areas

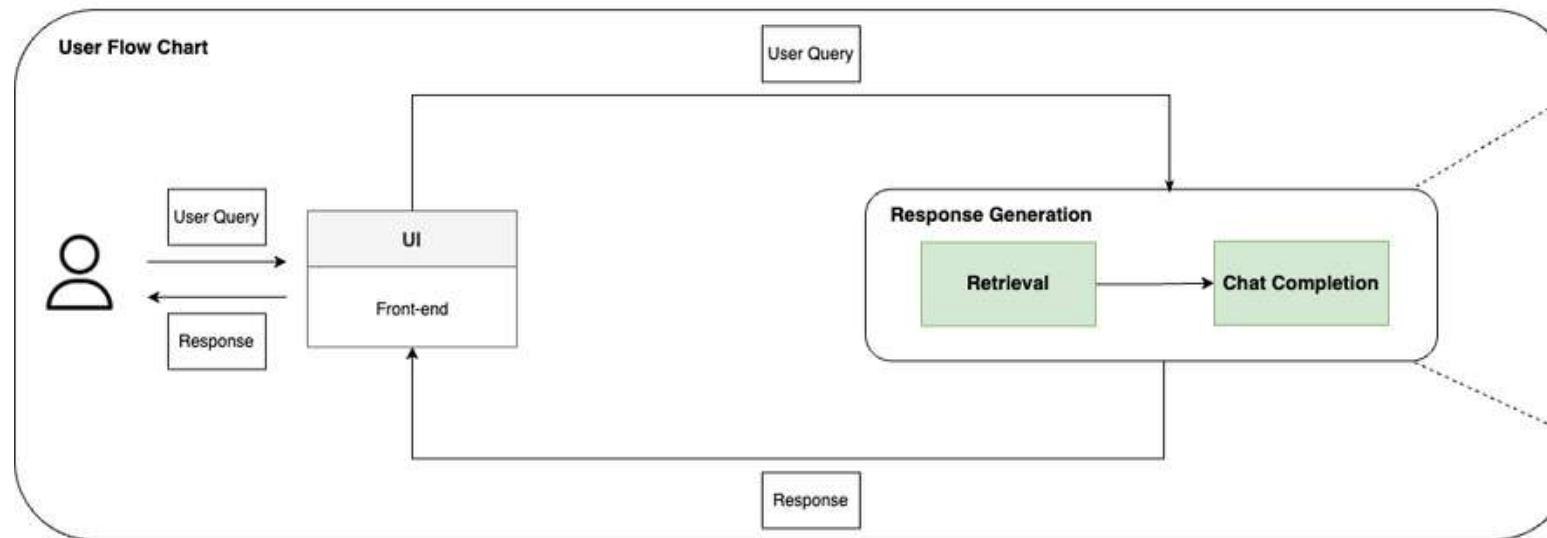


## Last Goal

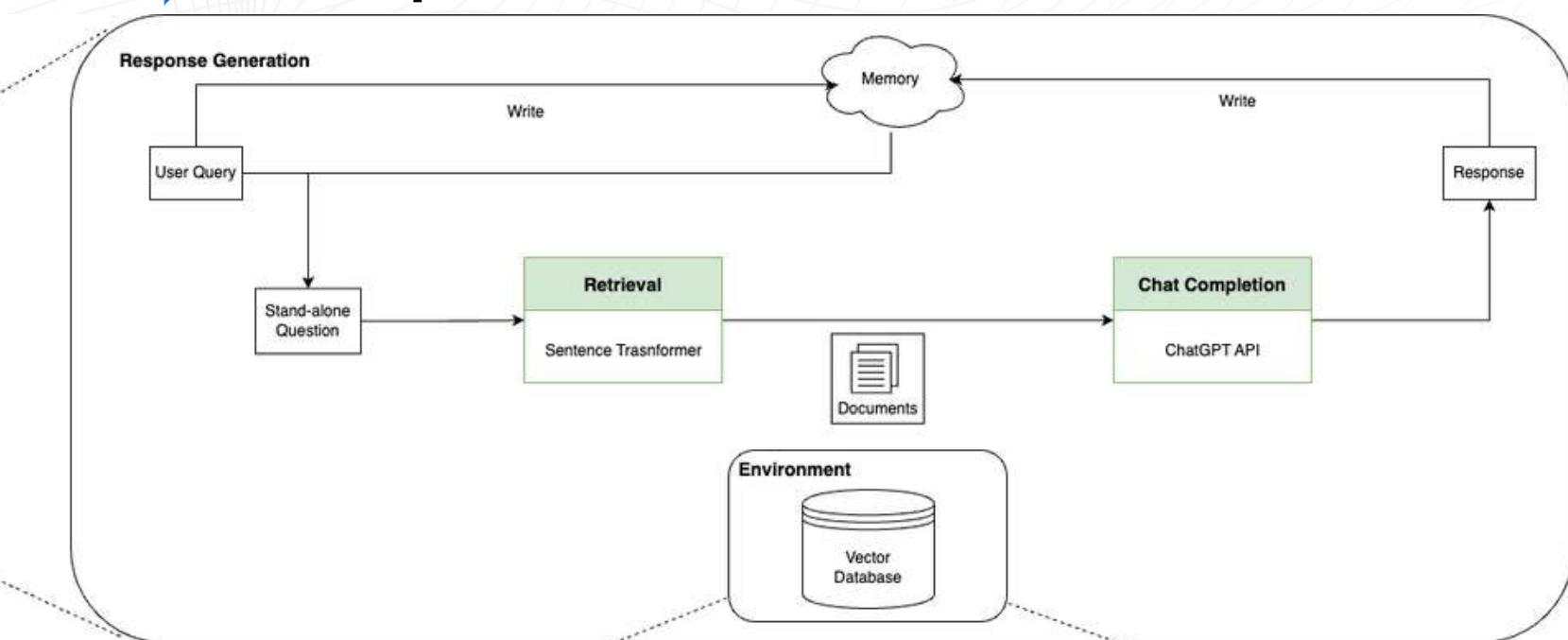
- A more detailed guide to the policy you want to proceed with
- Introduction to additional information required during the application process
- Nationwide service

# TECHNICAL BACKGROUNDS

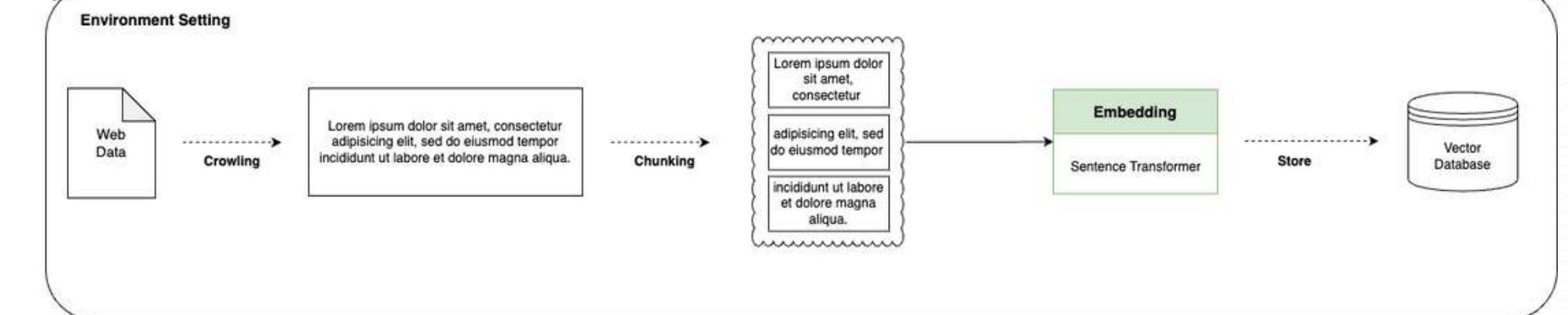
## >User Flow Chart



## Response Generation

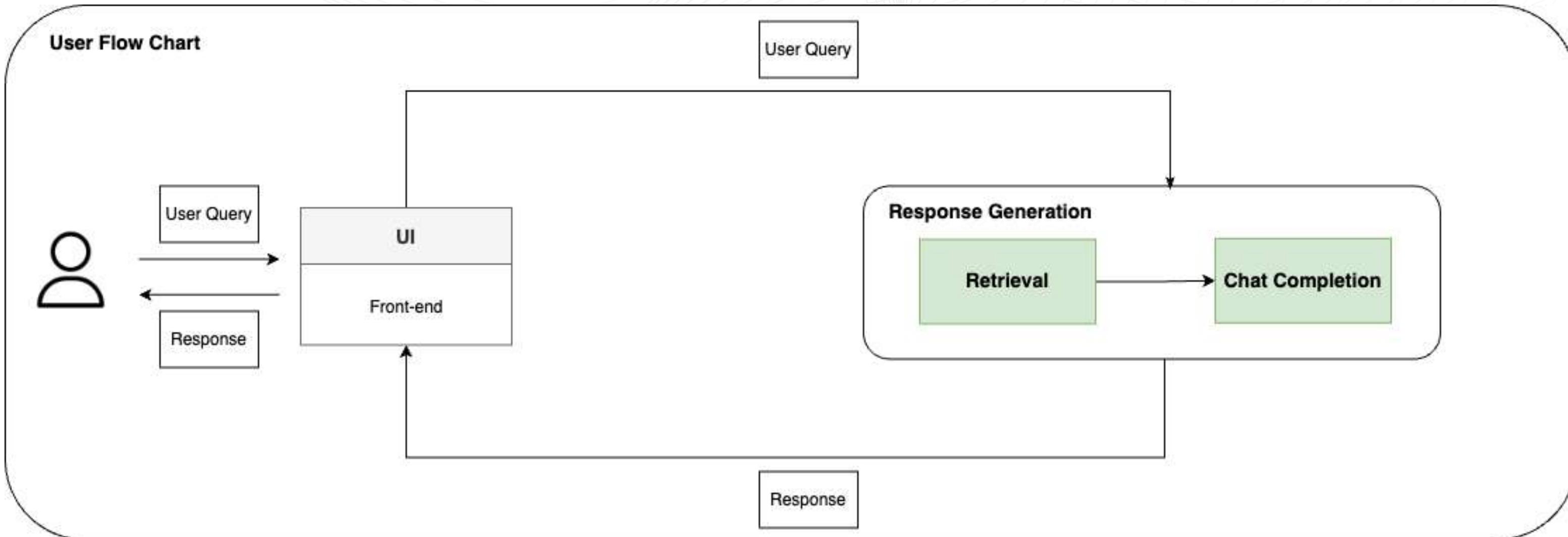


## Environment Setting



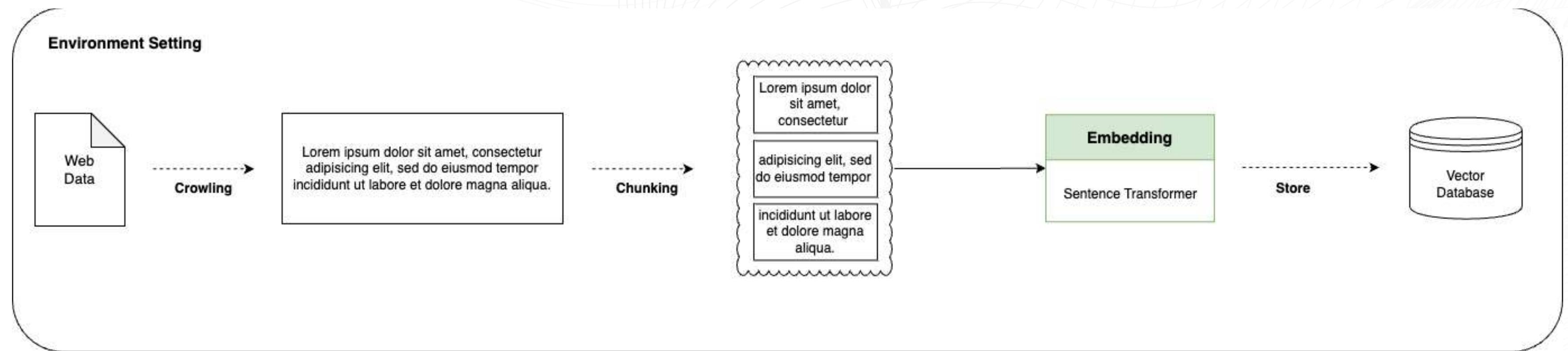
# TECHNICAL BACKGROUNDS

## USER FLOW CHART



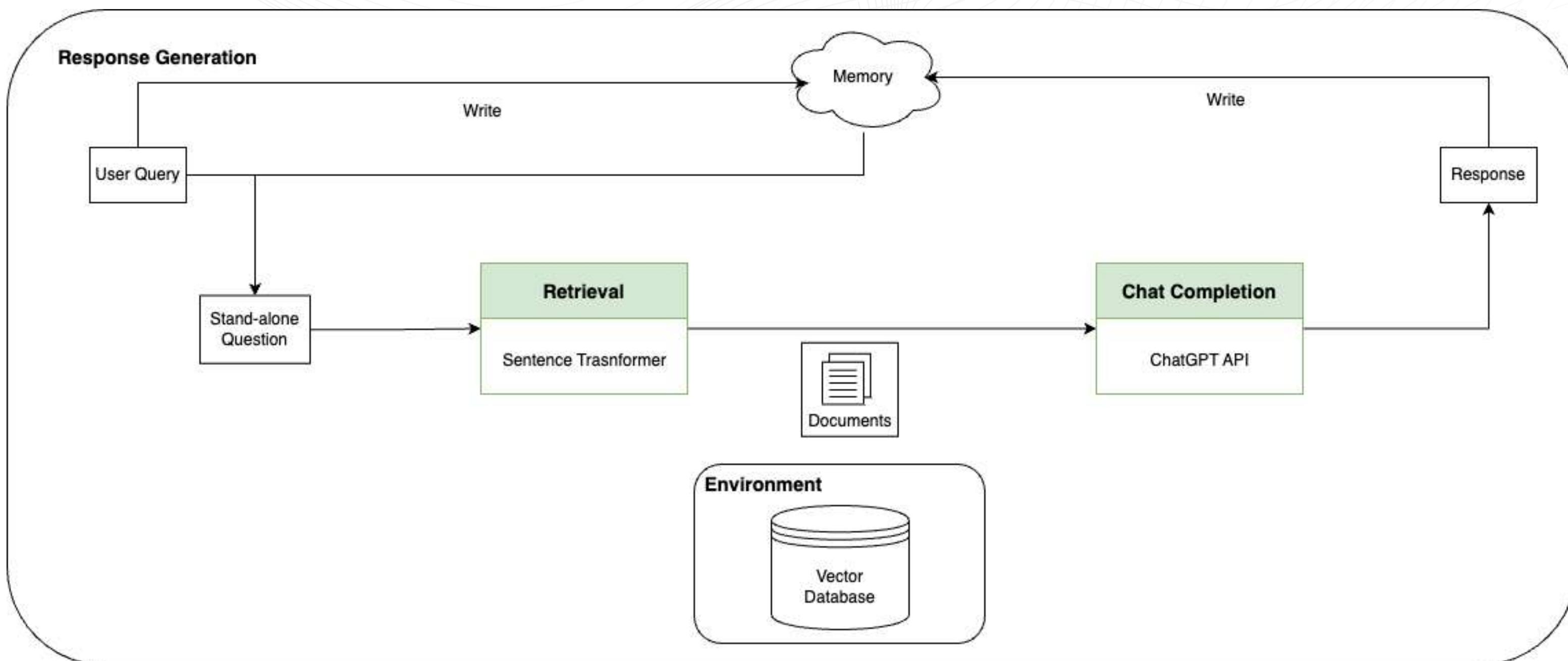
# TECHNICAL BACKGROUNDS

## ENVIRONMENT SETTING



# TECHNICAL BACKGROUNDS

## RESPONSE GENERATION



# TECHNICAL BACKGROUNDS

## DATA CRAWLING



EDA & Code Design



Data Embedding



Database Integration

# TECHNICAL BACKGROUNDS

## DATA CRAWLING – EDA& CODE DESIGN

The screenshot shows the homepage of the Online Youth Center (온라인 청년 센터). At the top, there is a dark blue header bar with the text "이 웹사이트는 대한민국 공식 청년정책부 웹사이트입니다." (This website is the official website of the Ministry of Youth Policy of the Republic of Korea). Below the header is the main navigation bar with links for "온라인 청년 센터", a search bar, and user account options ("로그인" and "회원가입"). The main content area features a large title "온라인청년센터는?" above a section with three cartoon characters. To the right of this section is a box containing text about the online center and a "상담하러 바로가기" button. Below this are three numbered sections: 01 "실시간 상담", 02 "청년정책정보", and 03 "청년공간정보", each with its own descriptive text and a "바로가기" button.

이 웹사이트는 대한민국 공식 청년정책부 웹사이트입니다.

온라인 청년 센터

청년정책, 청년센터 검색을 해보자!

로그인 회원가입

청년정책 청년센터 청년상담실 청년소식 청년고용 지원 소개

온라인청년센터는?

온라인청년센터는?

월 원활지 몰라서 다 준비했어!  
온라인 청년센터

#대한민국청년다모여 #청년정책 #청년공간 #전부몰아봐 #상담으로고민해결 #엄청쎈온.청.센

카카오톡, 게시판 등으로 정책, 공간을 실시간으로 물어볼 수 있다고!  
진로 고민이 있는 청년들은 심층상담도 받을 수 있어!  
이용시간 : 평일 8시~20시 (주말 및 공휴일, 8시~18시)  
카카오톡 365일 늘, 언제나! (설, 추석 연휴 제외)

상담하러 바로가기

01 궁금하지? 이거 하나면 돼!  
실시간 상담

카카오톡, 게시판 등으로 정책, 공간을 실시간으로 물어볼 수 있다고!  
진로 고민이 있는 청년들은 심층상담도 받을 수 있어!  
이용시간 : 평일 8시~20시 (주말 및 공휴일, 8시~18시)  
카카오톡 365일 늘, 언제나! (설, 추석 연휴 제외)

02 복잡하지? 여기에 다 있어!  
청년정책정보

전국의 청년정책을 다~모았어!  
필요한 청년정책검색도 가능하다고!  
아무리 봐도 비슷해 보인다고? 정책비교기능으로  
확실하게 골라봐!

청년정책 바로가기

03 가고싶지? 이리로 와!  
청년공간정보

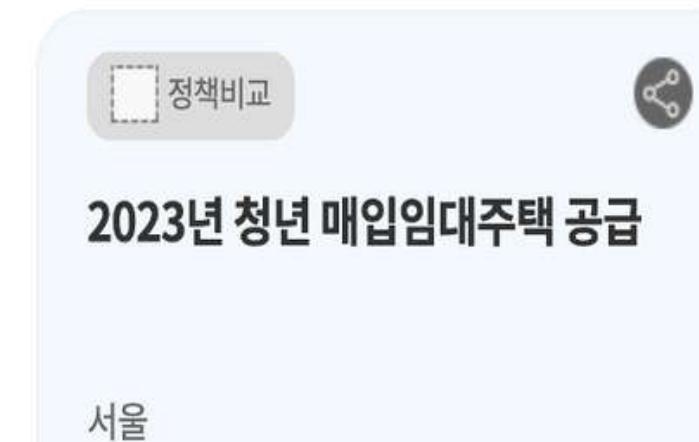
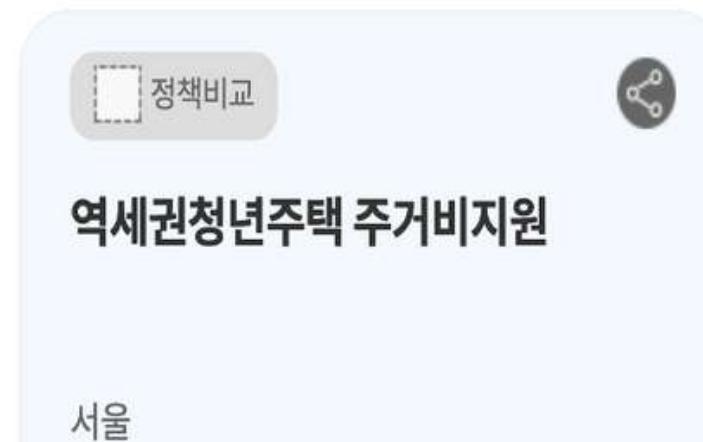
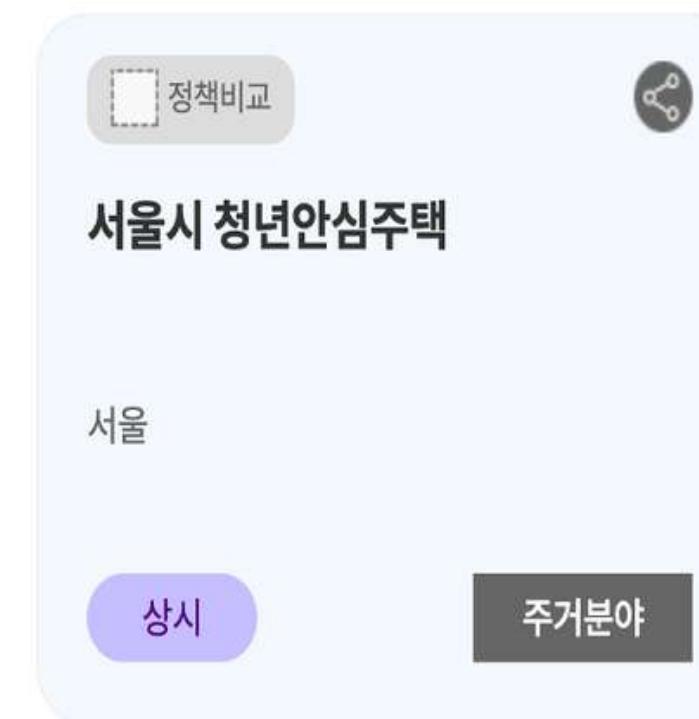
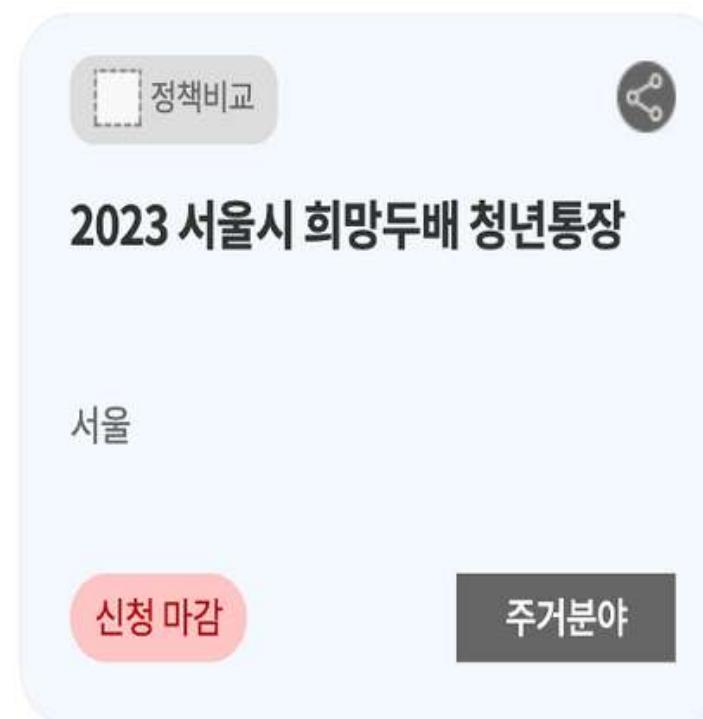
전국의 청년공간은 여기에 다~모였네!  
개인공부, 그룹스터디, 조모임, 공유부엌, 공연장소까지 다 알려줄게!  
공간에서 제공하는 취창업 프로그램들도 소개시켜줄게!

청년공간 바로가기

# TECHNICAL BACKGROUNDS

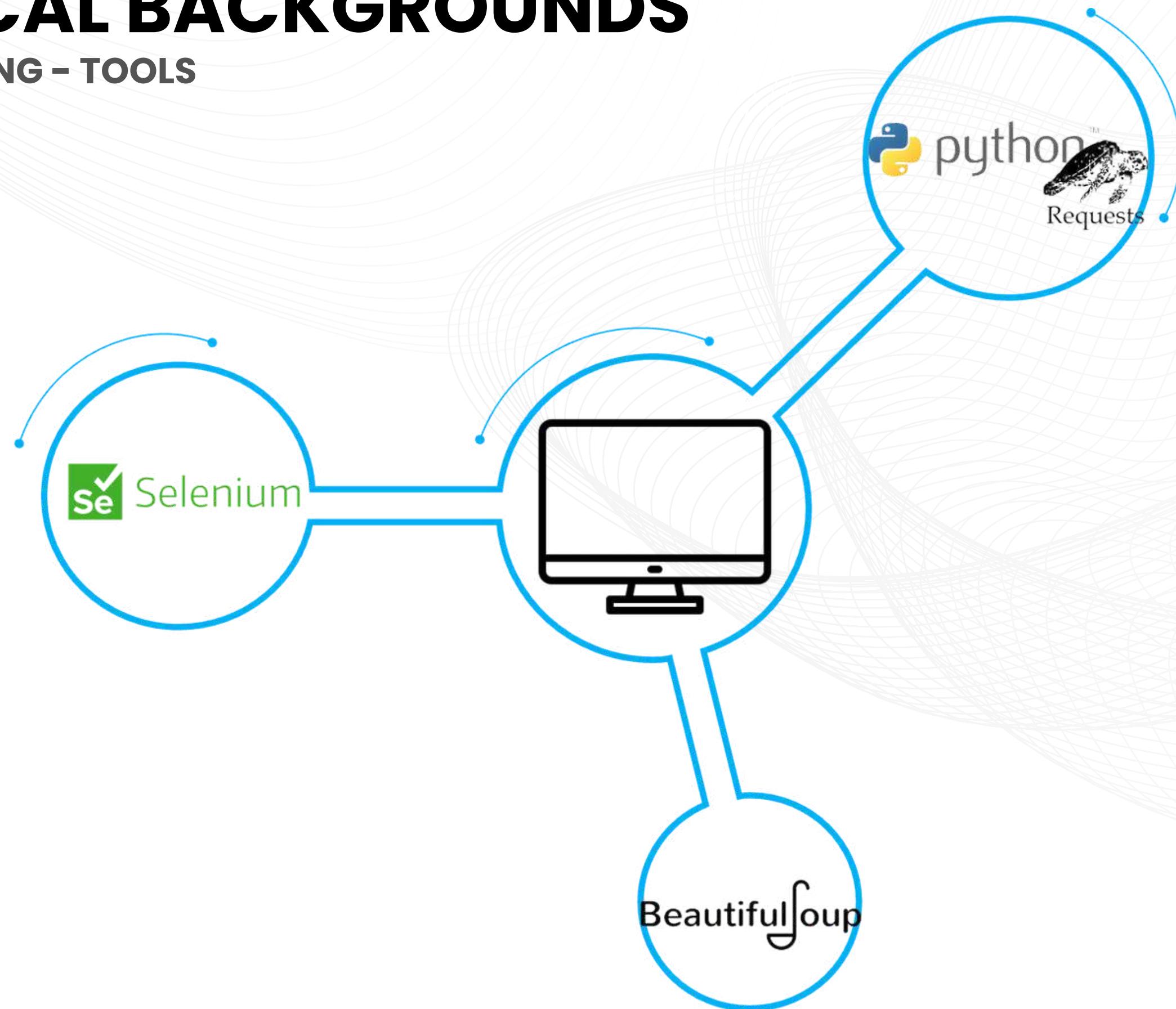
## DATA CRAWLING – EDA& CODE DESIGN

청년정책 검색 결과 **329**건



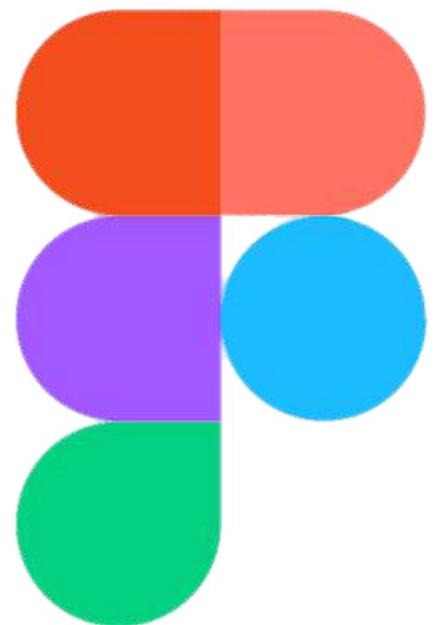
# TECHNICAL BACKGROUNDS

## DATA CRAWLING – TOOLS



# TECHNICAL BACKGROUNDS

FRAME WORK



Figma



NEXT.JS

# PROJECT SCHEDULE

# OUR TEAM



**Kangsan Kim**

Team Leader, UI/UX



**Seungbin Yang**

AI Engineer



**Jinho Park**

Data Engineer



**Changmin Jun**

Back-End Developer

# REFERENCE

- SENTENCE TRANSFORMER (PRE-TRAINING ON KOREAN DATASET) - [HTTPS://HUGGINGFACE.CO/JHGAN/KO-SROBERTA-MULTITASK](https://huggingface.co/jhgan/KO-SROBERTA-MULTITASK)
- PINECONE DOCUMENT - [HTTPS://DOCS.PINECONE.IO/DOCS/OVERVIEW](https://docs.pinecone.io/docs/overview)
- RETRIEVAL AUGMENTED GENERATION - [HTTPS://ARXIV.ORG/ABS/2005.11401](https://arxiv.org/abs/2005.11401)
- SUPERVISED CONTRASTIVE LEARNING TRAINING METHODS - [HTTPS://ARXIV.ORG/ABS/2104.08821](https://arxiv.org/abs/2104.08821)
- LANGCHAIN MEMORY - [HTTPS://PYTHON.LANGCHAIN.COM/DOCS/MODULES/MEMORY](https://python.langchain.com/docs/modules/memory)
- OPEN AI API - [HTTPS://PLATFORM.OPENAI.COM/DOCS/INTRODUCTION/OVERVIEW](https://platform.openai.com/docs/introduction/overview)
- SENTENCE TRANSFORMER - [HTTPS://WWW.SBERT.NET/](https://www.sbert.net/)



# QUESTIONS & ANSWERS

